STIC Search Report
EIC 2800

STIC Database Tracking Number: 103787

Tibbits 10A09

TO:	From:
Jose Dees Location: CP4- 6E12 Art Unit : 2800 Friday, September 12, 2003 Case Serial Number: 10/383068	Darcy Bates Location: EIC 2800 CP4-9C18 Phone: 306-5419 darcy.bates@uspto.gov

Search Notes

Re: 10/383,068 US 5,739,667

Attached are search results.

No U. S. litigation was found in searches of Lexis-Nexis and Questel-Orbit databases.

If more searching or explanation is needed, please let me know.

Thanks,
Darcy Bates

578805 (08) 5739667 April 14, 1998

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

5739667

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Link to Claims Section

April 14, 1998

Control system for charging batteries and electronic apparatus using same

REISSUE: Reissue Application filed Apr. 12, 2000 (O.G. Jun. 6, 2000) Ex. Gp.: 2838; Re. S.N. 09/548,213, (O.G. June 6, 2000)
March 7, 2003 - Reissue Application filed Ex. Gp.: 2838; Re. S.N. 10/383,068 (O.G. September 2, 2003)

INVENTOR: Matsuda, Kouichi - Kawasaki, Japan (JP); Saeki, Mitsuo - Kawasaki, Japan (JP); Tanaka, Nobuo - Kawasaki, Japan (JP); Ozawa, Hidekiyo - Kawasaki, Japan (JP)

APPL-NO: 578805 (08)

FILED-DATE: December 26, 1995

GRANTED-DATE: April 14, 1998

PRIORITY: December 26, 1994 - 6321970, Japan (JP)

ASSIGNEE-AT-ISSUE: Fujitsu Limited, Kawasaki, Japan (JP), 03

ASSIGNEE-AFTER-ISSUE: December 21, 1995 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., BRIDGESTONE/FIRESTONE, INC. 1200 FIRESTONE PARKWAY AKRON OHIO 44317, Reel and Frame Number: 007816/0103
December 26, 1995 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., FUJITSU LIMITED 1015, KAMIKODANAKA, NAKAHARA-KU KAWASAKI-SHI, KANAGAWA 211 JA PAN, Reel and Frame Number: 007911/0304

LEGAL-REP: Staas & Halsey

PUB-TYPE: April 14, 1998 - Utility Patent having no previously published pre-grant publication (A)

PUB-COUNTRY: United States (US)

US-MAIN-CL: 320#128

US-ADDL-CL: 320#161, 320#162, 320#164

CL: 320

Enter Search Terms

Terms and Connectors ◯ Natural Language

patno=5739667

Search

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Query/Command : file pluspat

Selected file: PLUSPAT

Search statement 1

Query/Command : us5739667/pn

**** SS 3: Results 1**

Search statement 4

Query/Command : prt fu legalall max

1 / 1 PLUSPAT - ©QUESTEL-ORBIT - image

PN - US5739667 A 19980414 [US5739667]
TI - (A) Control system for charging batteries and electronic apparatus using same
PA - (A) FUJITSU LTD (JP)
PA0 - Fujitsu Limited, Kawasaki [JP]
IN - (A) MATSUDA KOUICHI (JP); SAEKI MITSUO (JP); TANAKA NOBUO (JP); OZAWA HIDEKIYO (JP)
AP - US57880595 19951226 [1995US-0578805]
PR - JP32197094 19941226 [1994JP-0321970]
IC - (A) H02J-007/00
EC - H02J-009/06B
PCL - ORIGINAL (O) : 320128000; CROSS-REFERENCE (X) : 320161000 320162000 320164000
DT - Basic
CT - US5150031; US5191277; US5307002; US5349282; US5355073; US5371456; US5382893; US5465039; US5545969
STG - (A) United States patent

AB - A control system for charging enabling efficient charging of rechargeable batteries in an electronic apparatus which charges its rechargeable batteries by using a charger circuit when driving the apparatus by using an external power source, including first detecting unit for detecting a differential value between a maximum permissible charging current allowed by the rechargeable batteries and a charging current flowing to the rechargeable batteries; second detecting unit for detecting a maximum usable current by detecting a differential value between a maximum supplyable current allowed by the external power source and the current consumption of the apparatus; third detecting unit for detecting a differential value between a maximum useable current and the charging current flowing to the rechargeable batteries; and control unit for controlling the system in accordance with the differential values detected by the first and third detecting units so that the charger circuit generates the maximum charging current within the range where the charging current flowing to the rechargeable batteries does not exceed either of the maximum permissible charging current and the maximum useable current.

1 / 1 *LGST - ©LEGSTAT*
PN - US 5739667 [US5739667]
AP - US 578805/95 19951226 [1995US-0578805]
DT - US-P
ACT - 19951221 US/AS02
ASSIGNMENT OF ASSIGNOR'S INTEREST
BRIDGESTONE/FIRESTONE, INC. 1200 FIRESTONE PARKWAY AKRON, OHIO
44317 * BOHM, GEORG G. A. : 19951221; YANG, JAMES H. C. : 19951212

19951226 US/AE-A
APPLICATION DATA (PATENT)
US 578805/95 19951226 [1995US-0578805]

19951226 US/AS02
ASSIGNMENT OF ASSIGNOR'S INTEREST
FUJITSU LIMITED 1015, KAMIKODANAKA, NAKAHARA-KU KAWASAKI-SHI,
KANAGAWA 211, JAPA * MATSUDA, KOUICHI : 19951215; SAEKI, MITSUO :
19951215; TANAKA, NOBUO : 19951215; OZAWA, HIDEKIYO : 19951215

19980414 US/A
PATENT

20000606 US/RF
REISSUE APPLICATION FILED
20000412
UP - 2000-23

1 / 1 *CRXX - ©CLAIMS/RRX*
AN - 2966321
PN - 5,739,667 A 19980414 [US5739667]
PA - Fujitsu Ltd JP
PT - E (Electrical)
ACT - 20000412 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20000606
REISSUE REQUEST NUMBER: 09/548213
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2838

Reissue Patent Number:

20030307 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20030902
REISSUE REQUEST NUMBER: 10/383068
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2838

Reissue Patent Number:

UP - 2000-23
UACT- 2003-09-02

Query/Command : fam us5739667/pn

1 Patent Groups
**** SS 4: Results 2**

Search statement 5

Query/Command : famstate nonstop

1 / 2 PLUSPAT - ©QUESTEL-ORBIT - image
PN - JP8182219 A 19960712 [JP08182219]
STG - (A) Doc. Laid open to publ. Inspec.
TI - (A) CHARGE CONTROL SYSTEM AND ELECTRONIC APPARATUS
PA - (A) FUJITSU LTD
PA0 - (A) FUJITSU LTD
IN - (A) MATSUDA KOICHI; SAEKI MITSUO; TANAKA NOBUO; OZAWA HIDEKIYO
IC - (A) H02J-007/10 H02J-007/34
AP - JP32197094 19941226 [1994JP-0321970]
PR - JP32197094 19941226 [1994JP-0321970]

2 / 2 PLUSPAT - ©QUESTEL-ORBIT - image
PN - US5739667 A 19980414 [US5739667]
STG - (A) United States patent
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DT - Basic

1 / 1 LEGALI - ©LEGSTAT
PN - US 5739667 [US5739667]
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DT - US-P
ACTE- 19951221 US/AS02
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19980414 US/A
PATENT

20000606 US/RF
REISSUE APPLICATION FILED
20000412
UP - 2000-23

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